**Table S1.** Design of sgRNAs

**Table S2.** Genotype of *13 kDa prolamin*-knockout lines (T0 generation)

**Table S3.** Genotype of *13 kDa prolamin*-knockout lines (T1 generation)

**Table S4.** Genotype of *13 kDa prolamin*-knockout lines (T2 generation)

**Table S5.** Functional categories of the differentially expressed transcripts in *13 kDa prolamin*-knockout lines in comparison with WT

**Table S6.** Annotation of genes with the correlation coefficient with 13 kDa prolamin ≥|0.7|

**Table S7.** Correlation with 13 kDa prolamin genes

**Table S8.** Primer list

**Table S9.** Primer list used in deep-sequencing